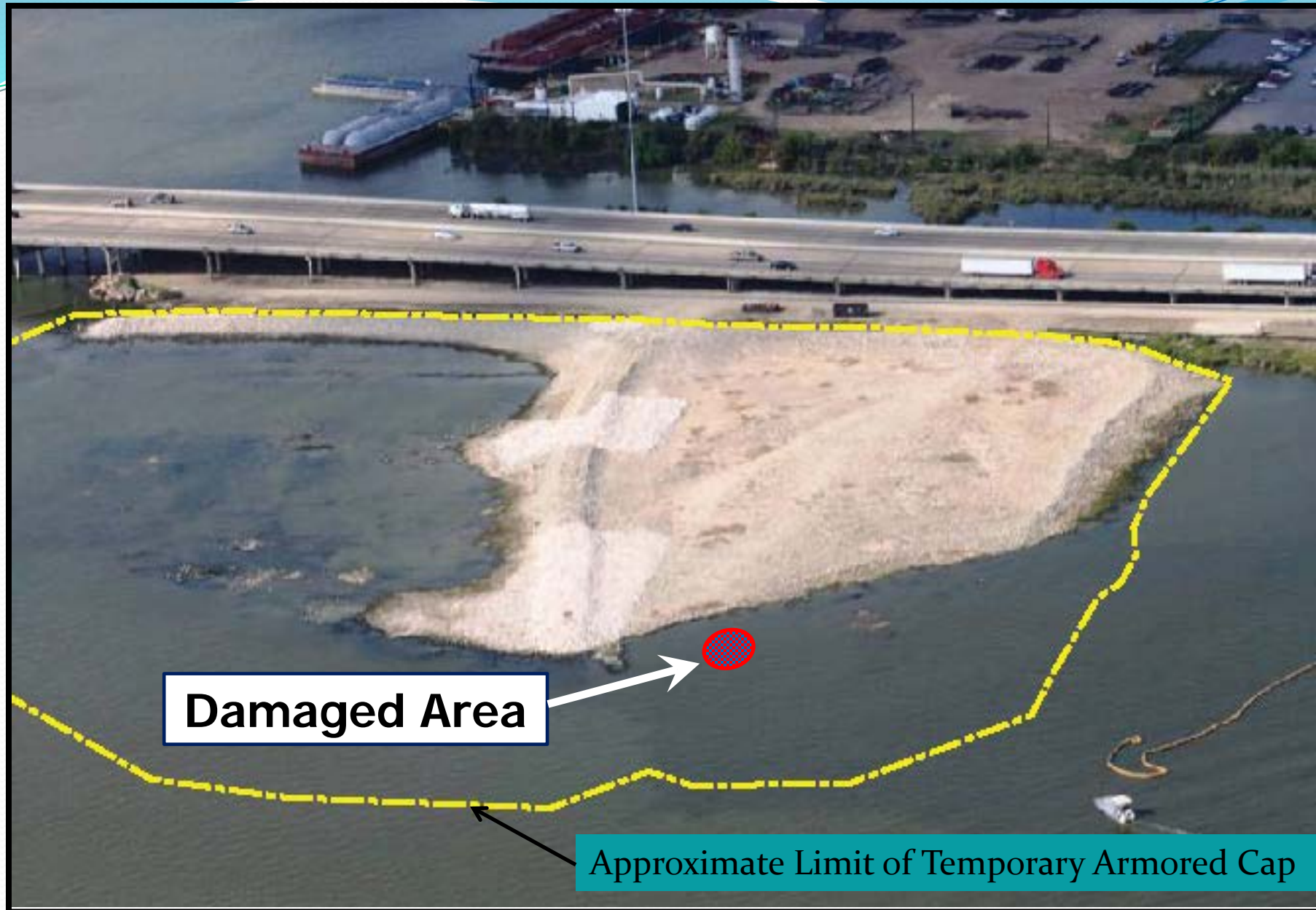




# **San Jacinto River Waste Pits Superfund Site**



**Temporary Cap Construction Completed July 2011**



# Situation

- Prior to repair paper mill waste containing dioxin was exposed to environment.
- Cause of damage unknown & under investigation.
- Cap repairs completed Jan 4.
- Site is securely fenced & access prohibited.
- Quality assured data confirmed surrounding cap areas remain protected.

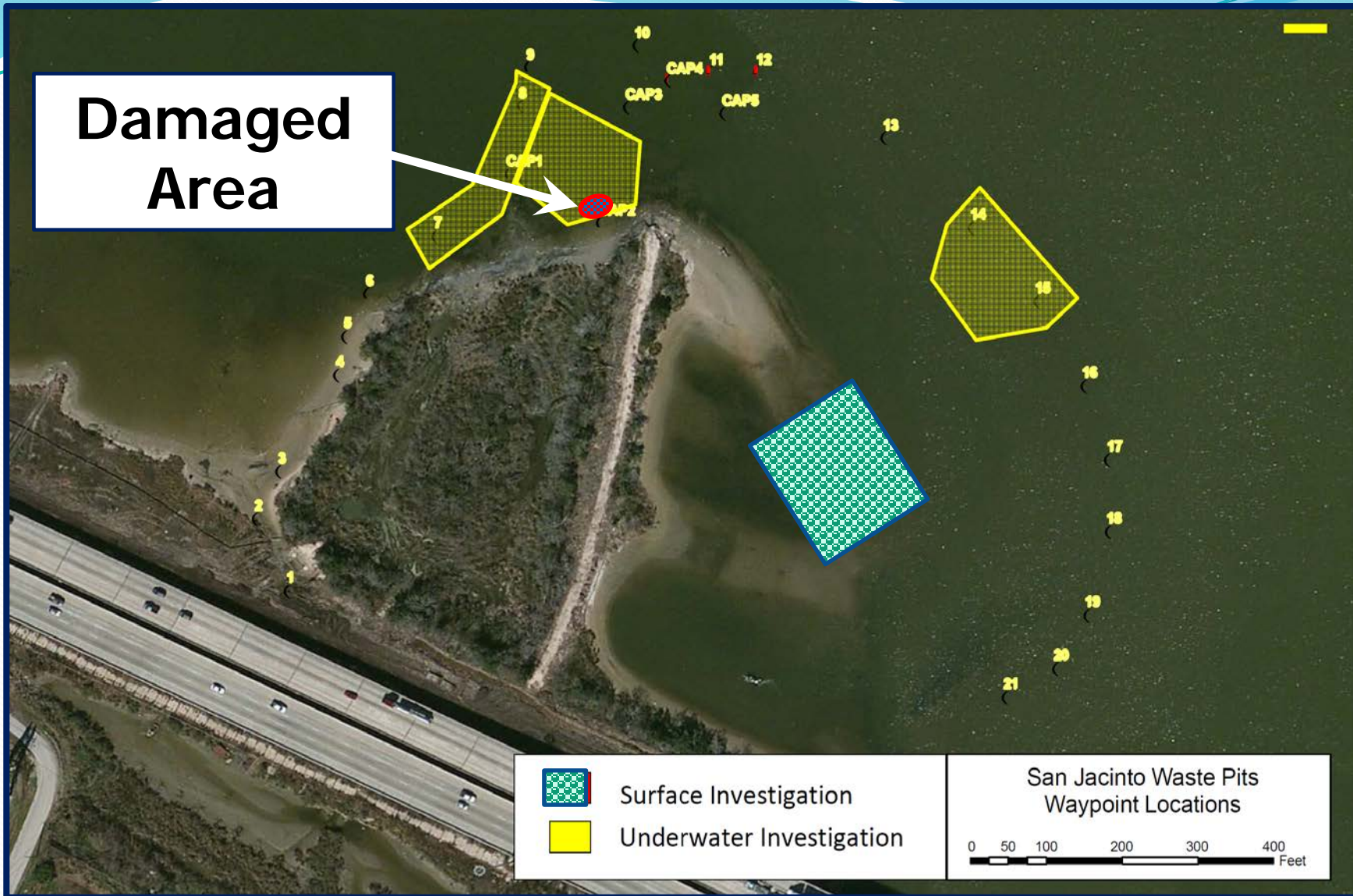




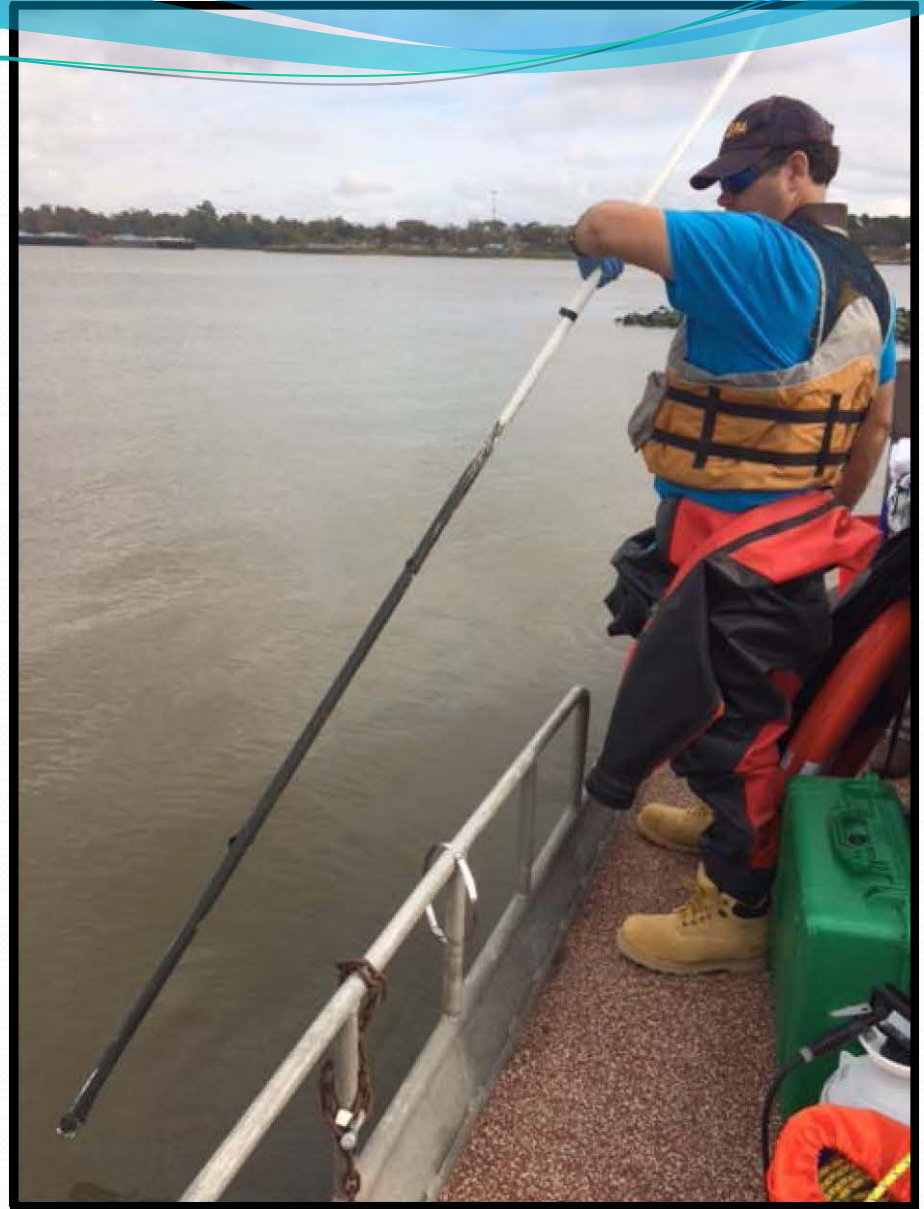
**EPA Dive Team inspection - Dec 2015**



**Damaged  
Area**



**Areas investigated by EPA Dive Team**

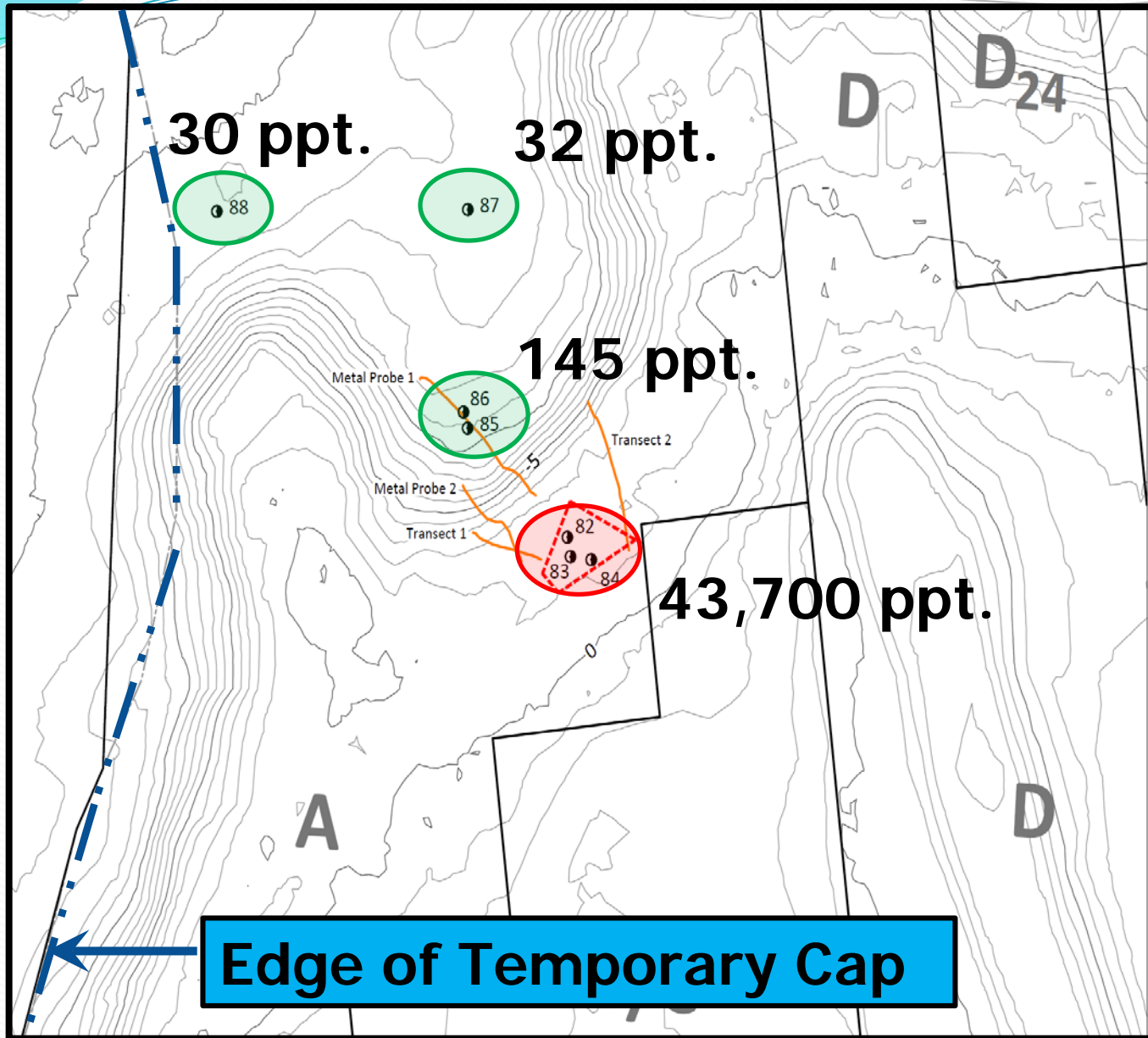


**Dive Team inspection Results**



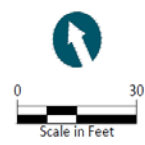


**Probing to define damaged rock area**



- LEGEND:
- October 2015 Bathymetric and Topographic Contours (1 Foot Interval)
  - 88 Sample Station (December 23, 2015)
  - Probing Transect (December 23, 2015)
  - Work Area Boundary (December 23, 2015)
  - B/C Armored Cap Type and Boundary
  - Historic Impoundment Limits

SOURCE: Drawing prepared from surveys provided by Hydrographic Consultants dated July 2015 and October 2015.  
HORIZONTAL DATUM: Texas State Plane South Central, NAD83, U.S. Feet.  
VERTICAL DATUM: NAVD 88.







**Shallow sample from damaged cap.**





**Placing geotextile over damaged area**



**Placing rock over geotextile in damaged area**





**Repair completed at low tide - Jan 2016**



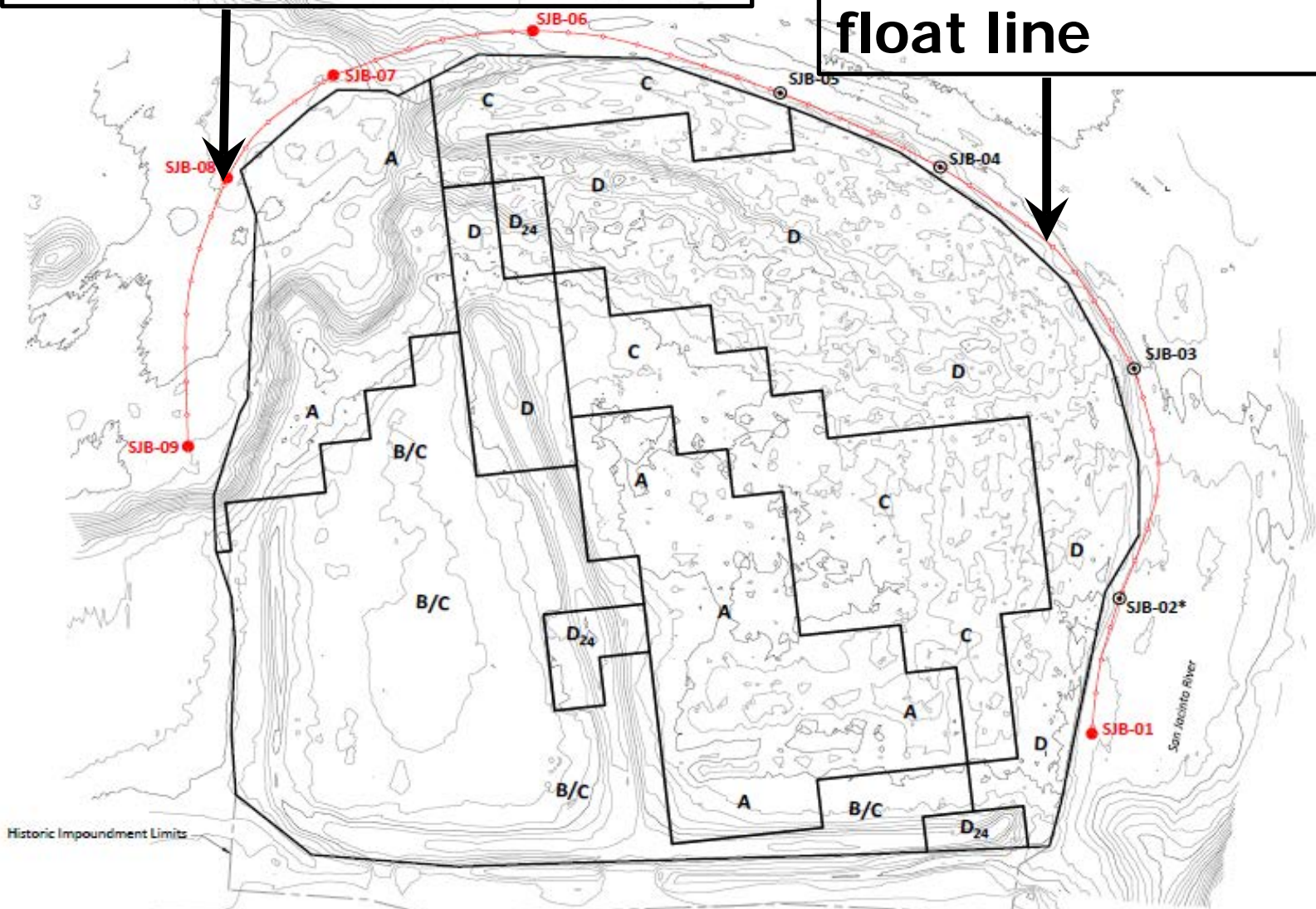
# New Safety Requirements

- Add 24/7 surveillance.
- Add warning buoys.
- Enhanced inspections & double frequency.



**Proposed buoy locations**

**Proposed barrier float line**



**Draft Site Buoy Enhancements Plan**





# EPA Requiring Additional Sampling:

- Armor cap sampling.
- Sediment sampling
- Surface water sampling
- Ground water sampling.



# **U.S. Army Corps of Engineers Assistance Will:**

- Further investigate cause of damaged area.
- Recommend additional inspection requirements (by end of April).
- Recommend actions to prevent future occurrences (by end of April).

EPA Will direct PRPs to perform additional actions based on Corps findings.

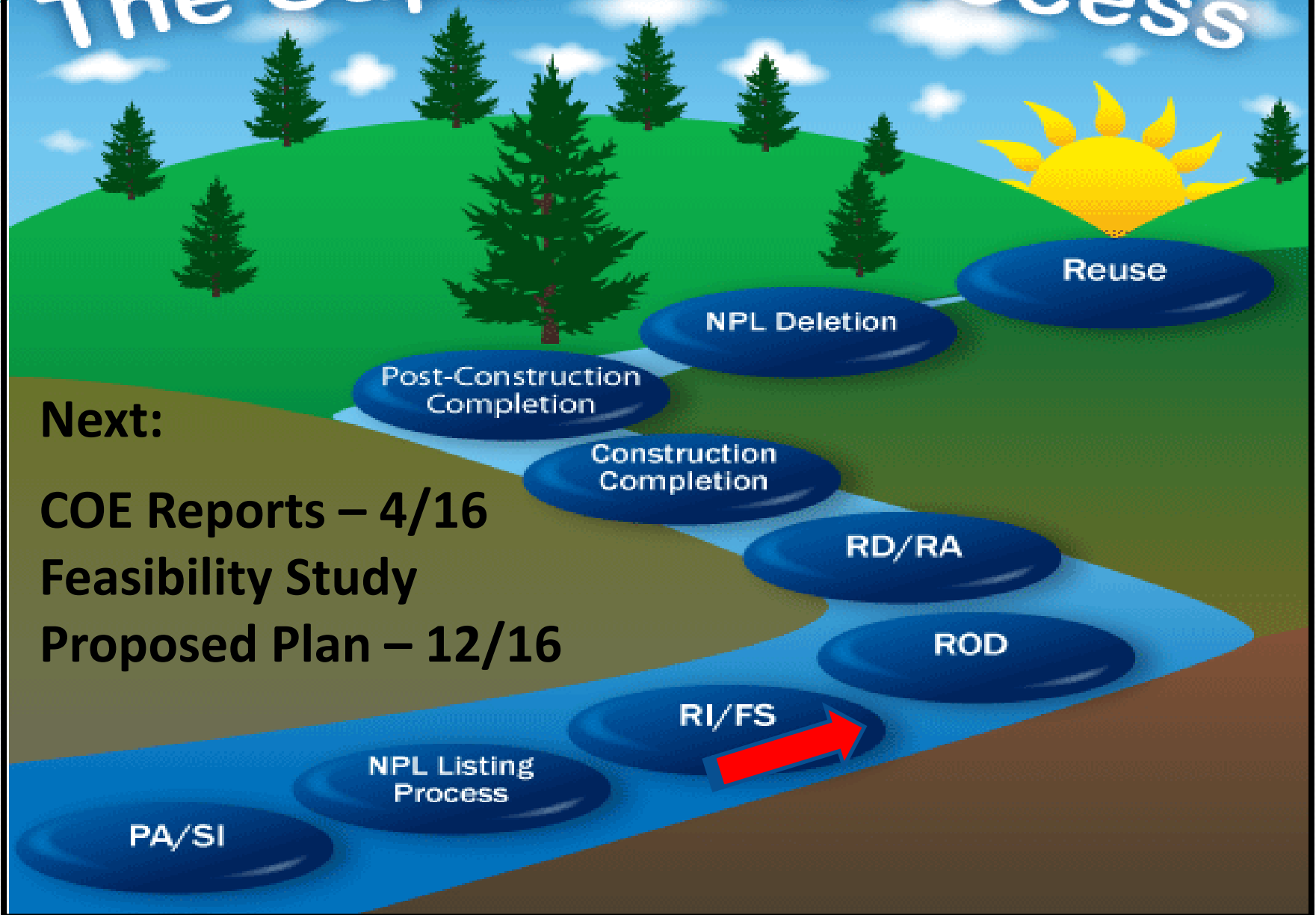
# The Superfund Process

**Next:**

**COE Reports – 4/16**

**Feasibility Study**

**Proposed Plan – 12/16**







# Community Advisory Committee

- Formed in 2011 to update site developments with local/state organizations.
- Comprised of EPA, Harris County, Texas Commission on Environmental Quality, Port of Houston Authority, Texas State Department of Health Services, Galveston Bay Foundation, and more recently Texans Together.
- The CAC works with EPA in developing future community meetings.



# San Jacinto River Waste Pits Superfund Site

## For More Information:

### U.S. EPA

**Gary Miller**

Remedial Project Manager

(214) 665-8318 or (800) 533-3508

**Donn Walters**

Sr. Community Involvement  
Coordinator / Public Liaison

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### **Site Repository:**

Highlands Public Library, Stratford Branch  
509 Stratford Street, Highlands Texas

### Texas Commission on Environmental Quality

**Satya Dwivedula**

Project Manager

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**Crystal Taylor**

Community Relations

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